

## Active Recombinant Mouse EFNB2 Protein, Fc-tagged

Cat. No. EFNB2-882M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse EFNB2 (NP_034241.2) extracellular domain (Met 1-Ala 232) was expressed with the fused Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-232 a.a.
<b>Predicted N Terminal</b>	Arg 29
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized mouse EphB4 at 2 µg/ml (100 µl/well) can bind mouse EphrinB2 Fc with a linear range of 0.2-25 ng/ml.
<b>Molecular Mass</b>	The recombinant mouse EFNB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 445 amino acids and has a predicted molecular mass of 49 kDa. As a result of glycosylation, the apparent molecular mass of rmEFNB2/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">Efnb2 ephrin B2 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">EFNB2</a>
<b>Synonyms</b>	EFNB2; ephrin B2; ephrin-B2; HTK ligand; EPH-related receptor tyrosine kinase ligand 5; Epl5; ELF-2; Eplg5; Htk-L; Lerk5; LERK-5; NLERK-1;
<b>Gene ID</b>	<a href="#">13642</a>
<b>mRNA Refseq</b>	<a href="#">NM_010111</a>
<b>Protein Refseq</b>	<a href="#">NP_034241</a>
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
<b>Function</b>	ephrin receptor binding; protein binding; receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA